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Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY

PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. TI-33176A

First Named Inventor or Application Identifier Robert B. Staszewski, et al.

Title Frequency Synthesizer With Digitally-Controlled Oscillator

Express Mail Label No. EV 33322531 US

PTO

22154 U.S. P.T.O.
10/06/03

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

ADDRESS TO:

Commissioner for Patents
Box Patent Application
Alexandria, VA 22313-14502. Specification [Total Pages 25] (preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

6. Microfiche Computer Program (Appendix)3. Drawing(s) (35 USC d113) FORMALS [Total Sheets 10]7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Copy
- b. Paper Copy (identical to computer copy)
- c. Statement verifying identical of above copies

4. Oath or Declaration [Total Pages 2]

ACCOMPANYING APPLICATION PARTS

a. Newly Executed (original or copy)8. Assignment Papers (cover sheet & Documents(s))b. Copy from a prior application (37 CFR § 1.63(d))
(for continuation/divisional with Box 17 completed)9. 37 CFR §3.73(b) Statement Power of
(when there is an assignee) Attorney

[Note Box 5 below]

10. English Translation Document (if applicable)i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application,
see 37 CFR §1.63(d)(2) and 1.33(b).11. Information Disclosure
Statement (IDS)/PTO-1449 Copies of IDS
Citations12. Preliminary Amendment13. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)14. Small Entity Statement(s) Statement filed in prior application
(PTO/SB-09-12) Status still proper and desired15. Certified Copy of Priority Document(s)
if foreign priority is claimed16. Other:*A new statement is required to be entitled to pay small entity fees, except
where one has been filed in a prior application and is being relied upon.

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application No: /

Prior application information: Examiner

Group / Art Unit:

18. CORRESPONDENCE ADDRESS

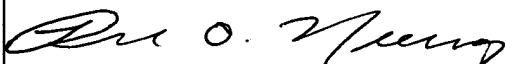
 Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)

Correspondence address below

NAME	RONALD O. NEERINGS Texas Instruments Incorporated		
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Name (Print/Type)	RONALD O. NEERINGS	Registration No. (Attorney/Agent)	34,227
Signature		Date	10/06/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments **must** be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT

(\$ 770.00)

Complete If Known

Application Number	TBD
Filing Date	October 6, 2003
First Named Inventor	Robert B. Staszewski, et al.
Examiner Name	TBD
Group / Art Unit	TBD
Attorney Docket No.	TI-33176A

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

 Charge any additional fee required or credit any overpayment Charge all indicated fees and any additional fee required or credit any overpayment

2. Payment Enclosed:

 Check Money Order Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	\$ 770
106	330	206	165	Design filing fee	\$
107	540	207	270	Plant filing fee	\$
108	790	208	395	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$)	770

2. EXTRA CLAIM FEES

		Extra Claims	Fee from below	Fee Paid
Total Claims	2	-20** =	0 x 18 =	0
Independent Claims	2	-3** =	0 x 86 =	0
Multiple Dependent			290 =	0

**or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent Claims in excess of 3
104	270	204	135	Multiple dependent claims in excess of 3
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$0)

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension of time within second month	
117	950	217	475	Extension of time within third month	
118	1,510	218	755	Extension of time within fourth month	
128	2,060	228	1,030	Extension of time within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (time number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$0)

SUBMITTED BY

Typed or Printed Name

RONALD O. NEERINGS

Customer Number: 23494

Reg. Number

34,227

Signature

Date

10/06/03

Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Robert B. Staszewski

Serial No.: **TBD**

Filed: **Herewith**

For: **FREQUENCY SYNTHESIZER WITH DIGITALLY-CONTROLLED
OSCILLATOR**

Docket No.: **TI-33176A**

Examiner: **TBD**

Art Unit: **TBD**

Confirm. No.: **TBD**

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner For Patents
Attn: Official Drafts Person
Alexandria, VA 22313-1450

MAILING CERTIFICATE UNDER 37 C.F.R. § 1.8(a)

I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner For Patents, Alexandria, VA 22313-1450 on October 6, 2003.



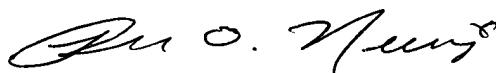
Elizabeth Austin

Dear Sir:

Submitted herewith are 10 sheets of formal drawings.

The enclosed drawings are being provided in a timely manner therefore no additional fee is necessary.

Respectfully submitted,



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